



Pro AV/IT Integrator Series™ HDMI 8K Audio De-Embedder with ARC, EDID Management, HDR+, Dolby Atmos

Seamless & Reliable Audio De-Embedding

Comprehensive's CPA-HDAE10 is an HDMI audio de-embedder that allows you to seamlessly de-embed audio from any HDMI source such as a projector, Blu-ray player, PC, streaming box, cable box, game consoles, ARC-compatible TVs and then output it to speakers, sound bar, audio amplifier or home entertainment sound systems.

The CPA-HDAE10 is the ideal solution that can support both analog stereo sound and digital S/PDIF audio output simultaneously, while keeping the audio and video clear on the HDMI output. The CPA-HDAE10 also supports the latest HDMI 2.1 and HDCP 2.3 standards. The CPA-HDAE10 is also ready for very high-quality 8K video at 60 frames per second. It has extra features to make it easier to set up, like adjusting for different types of cables. This makes it simple to connect your HDMI device to a stereo or surround sound system.



Advanced EDID Management

The CPA-HDAE10 offers advanced EDID management, once set, your video source device will identify the display's capabilities, providing optimal image quality adjustments. EDID enables your laptop to automatically detect and configure the best settings for connected displays, reducing the need for manual adjustments and avoiding incorrect image display. This ensures your displays operate at their full potential.

HDMI ARC Function

The CPA-HDAE10 supports HDMI's Audio Return Channel (ARC) feature. HDMI ARC helps cut down on cables between your TV and an external sound system or soundbar. It allows the audio signal to move both ways, improving sound quality and reducing delay.

Digital and Analog Audio

The CPA-HDAE10 is readily equipped with an optical SPDIF and a 3.5mm audio output port for de-embedding analog audio from the HDMI output which makes it simpler to connect your audio amplifier or entertainment system.

Peace of Mind in Every Connection and Quality You Can Count On

Since 1974, Comprehensive has been a trusted manufacturer of top-notch commercial-grade solutions for AV and IT professionals. This product upholds that longstanding tradition with its use of premium materials, components, and rigorous quality control measures, guaranteeing years of reliable and hassle-free usage. Additionally, all components are supported by Comprehensive's 3 Year Warranty, providing you with the confidence that this product will continue to perform flawlessly for many years ahead.

What is this product used for? (primary use):

- Audio Return Channel (ARC): allows audio to travel back from your TV/Display to your audio system or soundbar through the same HDMI cable used for video.
- Extract Audio signal off the HDMI source to digital optical or analog stereo L/R audio out.

Features

- HDMI 2.1 and HDCP 2.3 compliant
- Supports 48Gbps FRL and 18Gbps TMDS video bandwidth
- Supports video resolutions up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
- HDMI 2.1 protocols: VRR, ALLM, QMS, QFT, SBTM are supported
- HDR, HDR 10, HDR 10+, Dolby Vision, HLG pass-through
- LPCM 7.1CH, Dolby True-HD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- HDMI input audio or TV ARC audio de-embedded to S/PDIF and L/R audio output
- Supports CEC control from output devices to input sources
- Advanced EDID management
- Compact design for easy and flexible installation
- 3 Year Warranty

CPA-HDAE10



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Specifications

I/O Connections

Connections

Inputs:

1× Source IN [HDMI Type A, 19-pin female]

Outputs:

1× TV(ARC) OUT [HDMI Type A, 19-pin female]

1× L/R [3.5mm Stereo mini jack]

1× OPTICAL [S/PDIF, female]

Control:

1× SERVICE [USB Type C, Update port]

Technical

HDMI Compliance: HDMI 2.1 /2.0 / 1.4

HDCP Compliance: HDCP 2.3 /2.2 / 1.4

Video Bandwidth: 48Gbps FRL and 18Gbps TMDS

Video Resolution: Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit

Color Depth: 8/10/12-bit

Color Space: RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0

Audio Formats

HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

AUDIO BREAKOUT:

OPTICAL OUT: PCM 2.0CH, Dolby, DTS 5.1CH

L/R OUT: PCM 2.0CH

HDR: HDR, HDR 10, HDR 10+, Dolby Vision, HLG

Power & Regulatory

Power Supply: Input: AC 100-240V 50/60Hz

Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)

Power Consumption: 4W Max

ESD Protection: Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Regulatory: (US/EU standard, CE/FCC/UL certified)

Prop 65 Compliant: No

Chassis and Environmental

Construction: Metal Enclosure

Color: Black

Dimensions: 95mm/3.7in [W] × 68mm/2.7in [D] × 18mm/.7in [H]

Operating Temperature: 0°C ~ 40°C / 32°F ~ 104°F

Operating Humidity: 20 - 90% RH (no condensation)

Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F

Weight

1lb

Package Contents

1× CPA-HDAE10 (8K HDMI Audio De-embedder)

1× 5V/1A Multinational Power Supply

1× User Manual

Warranty

3 years

CONVERTERS

CPA-HDAE10